Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-06-10-30** **Date: 15/01/2020**

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of RCC Drain and Covering Slab Maheshwari Nagara 6th Cross Left Side Road Ward No 15 Dasarahalli

Agency : Technical Manager (West), Karnataka Rural Infrastructure Development Limited, No.280,59th Cross 17th C Maain Road 3rd Y Block Rajaji Nagara, Bangaluru-560010

Customer's Reference : EE/DD/WO/372/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-01-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : *M20 / 7 Days Compressive* Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for *Strength of Concrete Cl.5*

Date of test : 15/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	08/01/2020	15/01/2020	151.07 X 150.90 X 151.87	22797	**8.637**	418.5	18.4	18.6
2	Drain Bottom Slab Concrete	M20	08/01/2020	15/01/2020	150.94 X 149.86 X 151.74	22619	**8.327**	428.5	18.9	
3	Drain Bottom Slab Concrete	M20	08/01/2020	15/01/2020	149.05 X 149.46 X 151.48	22277	**8.644**	412.3	18.5	

Note:

The results pertain to the *samples received and tested.*
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FOR CIVIL Pro.

CIVIL Pro Sig..... Date..... BANGALORE

R RUDRAPRASAD
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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-06-10-30** **Date: 05/02/2020**

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of RCC Drain and Covering Slab Maheshwari Nagara 6th Cross Left Side Road Ward No 15 Dasarahalli

Agency : Technical Manager (West), Karnataka Rural Infrastructure Development Limited, No.280,59th Cross 17th C Maain Road 3rd Y Block Rajaji Nagara, Bangaluru-560010

Customer's Reference : EE/DD/WO/372/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 10-01-20

Customer ID : Drain Bottom Slab Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 05/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Bottom Slab Concrete	M20	08/01/2020	05/02/2020	150.74 X 150.85 X 151.72	22740	**8.187**	541.8	23.8	23.3
2	Drain Bottom Slab Concrete	M20	08/01/2020	05/02/2020	150.73 X 151.60 X 151.93	22851	**8.135**	508.7	22.3	
3	Drain Bottom Slab Concrete	M20	08/01/2020	05/02/2020	151.20 X 150.85 X 150.95	22809	**8.279**	543.5	23.8	

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Format No: CP/TF/01

TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-06-10-30** **Date: 20/01/2020**

Customer : Assistant Executive Engineer, T Dasarahalli Sub Division, BBMP, Bangalore.

Address : T Dasarahalli Sub Division, BBMP, Bangalore.

Project Name : Improvements of RCC Drain and Covering Slab Maheshwari Nagara 6th Cross Left Side Road Ward No 15 Dasarahalli

Agency : Technical Manager (West), Karnataka Rural Infrastructure Development Limited, No.280,59th Cross 17th C Maain Road 3rd Y Block Rajaji Nagara, Bangaluru-560010

Customer's Reference : EE/DD/WO/372/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-01-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	13/01/2020	20/01/2020	149.84 X 150.97 X 149.08	22621	**8.637**	419.4	18.5	18.7
2	Drain Side Wall Concrete	M20	13/01/2020	20/01/2020	150.63 X 149.57 X 149.02	22530	**8.327**	423.8	18.8	
3	Drain Side Wall Concrete	M20	13/01/2020	20/01/2020	150.04 X 149.94 X 150.06	22496	**8.644**	421.4	18.7	

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TEST REPORT OF CEMENT CONCRETE CUBES

Lab ID : **CP-2020-06-10-30** **Date: 10/02/2020**

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Agency : Technical Manager (West), Karnataka Rural Infrastructure Development Limited, No.280,59th Cross 17th C Maain Road 3rd Y Block Rajaji Nagara, Bangaluru-560010

Customer's Reference : EE/DD/WO/372/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-01-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	13/01/2020	10/02/2020	151.46 X 151.86 X 149.78	23001	**8.187**	548.7	23.9	23.2
2	Drain Side Wall Concrete	M20	13/01/2020	10/02/2020	150.42 X 149.06 X 149.78	22423	**8.135**	495.1	22.1	
3	Drain Side Wall Concrete	M20	13/01/2020	10/02/2020	151.17 X 151.53 X 149.27	22906	**8.279**	542.3	23.7	

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Customer's Reference : EE/DD/WO/372/19-20

Source of Sample : Sample supplied by Agency

Sample Condition : Satisfactory

Date of Receipt : 16-01-20

Customer ID : Drain Side Wall Concrete

Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 7 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 20/01/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	13/01/2020	20/01/2020	150.71 X 149.19 X 150.45	22484	**8.637**	409.6	18.2	18.3
2	Drain Side Wall Concrete	M20	13/01/2020	20/01/2020	149.45 X 149.59 X 149.44	22356	**8.327**	407.7	18.2	
3	Drain Side Wall Concrete	M20	13/01/2020	20/01/2020	149.65 X 151.32 X 149.21	22645	**8.644**	416.4	18.4	

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Sample Type /Size : 150X150X150 mm

Sample grade/Age : M20 / 28 Days Compressive Strength

Reference to BIS codes : IS: 516 - 1959 Methods of Tests for Strength of Concrete Cl.5

Date of test : 10/02/2020

Sl. No.	Identification Mark	Grade of concrete	Date of Casting	Date of Testing	Dimension of the Specimen (mm)	Cross sectional area (Sq.mm)	Weight of the sample (kg)	Failure Load (KN)	Compressive strength (N/mm^2)	Average Compressive Strength (N/mm^2)
1	Drain Side Wall Concrete	M20	13/01/2020	10/02/2020	150.44 X 150.94 X 149.67	22707	**8.187**	533.4	23.5	23.3
2	Drain Side Wall Concrete	M20	13/01/2020	10/02/2020	151.84 X 149.63 X 151.46	22721	**8.135**	519.4	22.9	
3	Drain Side Wall Concrete	M20	13/01/2020	10/02/2020	150.49 X 149.70 X 150.93	22527	**8.279**	531.9	23.6	

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